AMENDMENT

In the Claims:

Please amend the pending claims as follows:

1. (amended) A method for identifying a peptide capable of binding to a proteinaceous target comprising

displaying the peptide on the surface of a replicable display package,

synthesizing oligopeptides derived from the proteinaceous target on a solid phase,

contacting the binding peptide on the surface of said package with the oligopeptides on said solid phase, and

identifying whether binding occurs.

3. (amended) A method for distinguishing between peptides capable of binding to a proteinaceous antigen and peptides not having that capability comprising

displaying candidate peptides on the surfaces of replicable display packages,

synthesizing oligopeptides derived from the proteinaceous antigen on a solid phase,

contacting the candidate peptides on the surfaces of said packages with the oligopeptides on said solid phase to permit binding by said candidate peptides, and

washing the solid phase to remove unbound display packages.

7. (amended) A method according to claim 5, whereby the binding peptide is displayed on the surface of the phage particle by insertion of a genetic sequence encoding said peptide in a gene encoding a surface protein of said phage particle.

9. (amended) A method according to claim 1 whereby the displayed peptide is a single chain antibody fragment or an ScFv.

10. (amended) A method according to claim 1, further comprising a step whereby the displayed peptide is contacted with a sample not containing said oligopeptides.

Please introduce new claims 13-18 as follows:

13. A method according to claim 3, whereby the replicable display packages are phage particles.

14. A method according to claim 13, whereby the replicable display packages are bacteria, yeast or spores of a microorganism.

15. A method according to claim 13, whereby the candidate peptides are displayed on the surface of the phage particles by insertion of genetic sequences encoding said peptides in a gene encoding a surface protein of said phage particles.

16. A method according to claim 3, whereby the candidate peptides are immunoglobulin heavy chains, immunoglobulin light chains, heavy-light chain pairs, VH domains, VL domains, Fab domains, Fv domains, scFv domains or di-sulfide-bridged Fv domains.

17. A method according to claim 3 whereby the candidate peptides are single chain antibody fragments or ScFv domains.

18. A method according to claim 3, further comprising a step whereby the candidate peptides are contacted with a sample not containing said antigen.